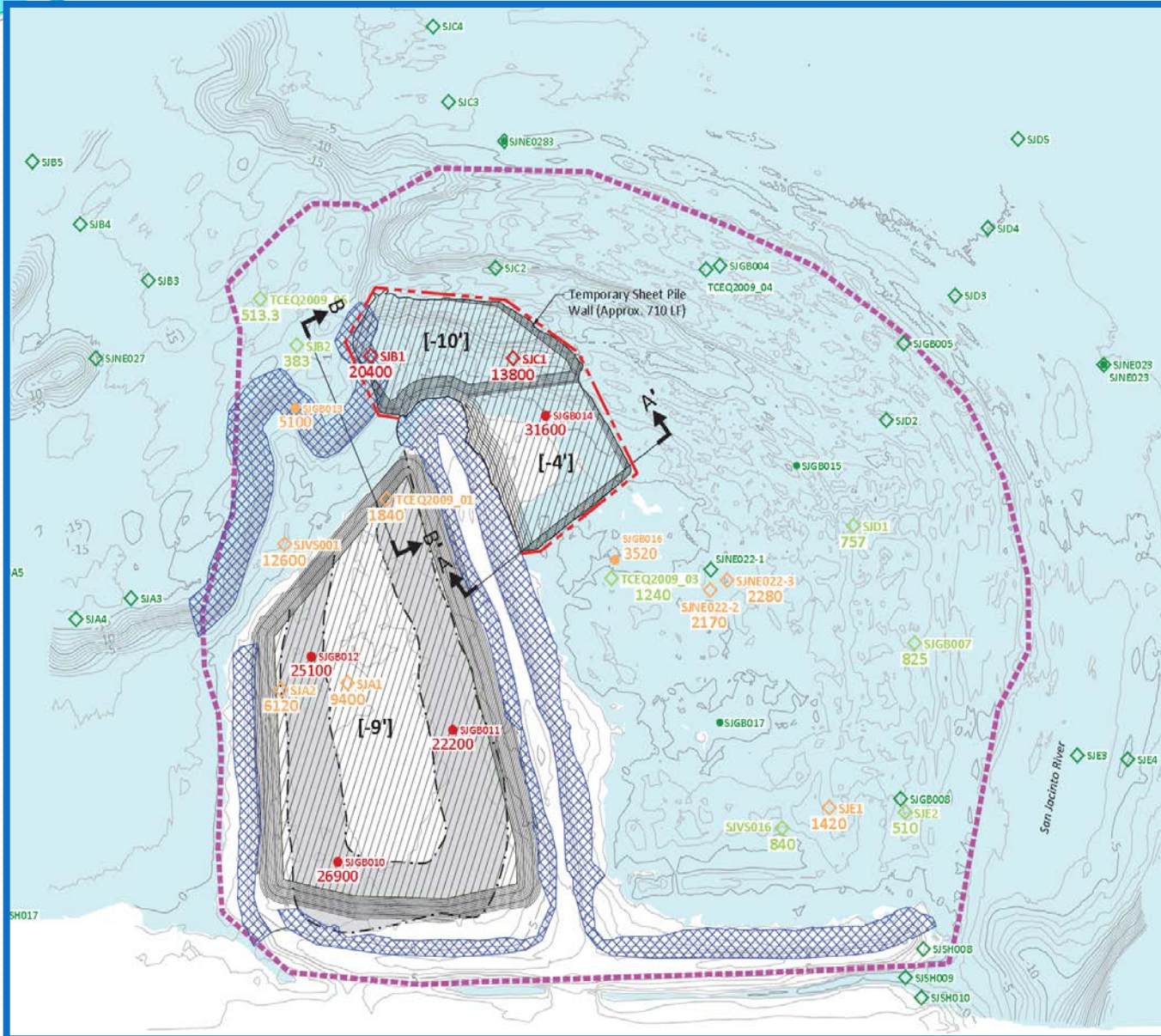


## Alternatives 4&5:

- 53,000 yds<sup>3</sup>
- 12 to 15 mo. construction
- \$11.2 (Alt. 4) or \$24/\$118 million

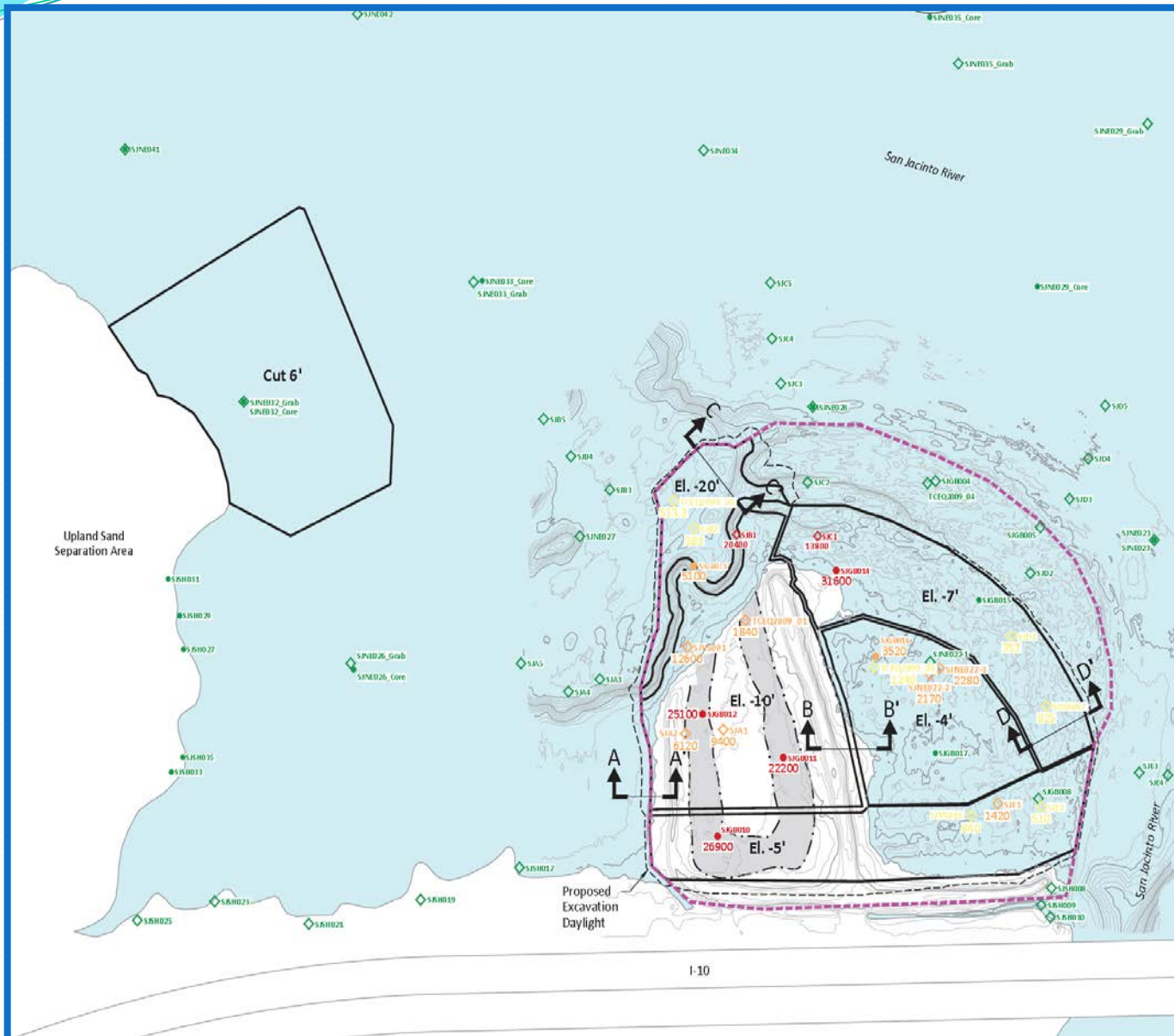


# San Jacinto River Waste Pits

Alternative 6:

Full Removal

- 208,000 yds<sup>3</sup>
- 16 mo. construction
- \$104/\$636 MM



# San Jacinto River Waste Pits Feasibility Study

## Pros/Cons of Alternatives:

- Alt. 3: Quickest construction (2 mo.) with least storm exposure during construction & lowest cost; but doesn't remove any waste material.
- Alt. 4: Immobilizes waste material (25%) with most contamination; but no removal & longer construction (15 mo.) means more storm exposure.
- Alt. 5: Removes waste material (25%) with most contamination; but longer construction (12 mo.) means more storm exposure.
- Alt. 6: Removes all waste material; but has longest construction time (16 mo.) & most release of contaminated material in river due to dredging.



# San Jacinto River Waste Pits Feasibility Study

## Revisions to Draft:

- Add new alternative with an engineered barrier around northern waste pits and remove material inside.
- Evaluate major storm impacts to each of alternatives.
- Add alternatives for Southern Impoundment.

# Schedule

## San Jacinto River Waste Pits Superfund Site

- 
- **Feasibility Study Report**
  - **Final Report - March 2014**

- **Proposed Plan/Public Comment Period**
- **Public Comment Period & Meeting – August 2014**

- **Remedy Selection (ROD)**
- **September 2014**

## **San Jacinto River Waste Pits Update on Armor Cap**

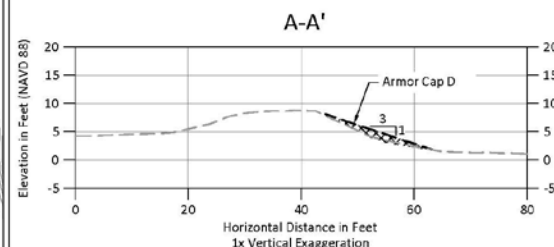
- TCRA cap erosion repaired in August 2012. The US Army Corps of Engineers reviewed the cap design and construction and determined that there are deficiencies (including slope and grading of cap materials).
- On November 1, 2013, EPA notified the Potentially Responsible Parties to address the TCRA cap design and construction protectiveness issues until the final Site remedy is selected.
- PRPs submitted armor cap “Enhancement” work plan on 11/27/13, and EPA approved plan on 01/10/14.
- Construction repairs on armor cap begin on 01/17/2014

Nov 06, 2013 11:12am chowett T:\CAD\Projects\0557-McGuire Industrial Maintenance Corp\San Jacinto Waste Pits\_TCB\0557.TCD\4-002 (2013-10 Survey) dwg PLAN



**LEGEND:**

- Existing Contour (1 Foot Interval)
- Armored Cap Type and Boundary
- Historic Impoundment Limits
- Areas of Additional Armor Cap D Rock Placement
- Cross Section Location and Designation



SOURCE: Drawing prepared from surveys provided by Hydrographic Consultants dated October 2012 and October 2013.  
HORIZONTAL DATUM: Texas State Plane South Central, NAD83, U.S. Feet.  
VERTICAL DATUM: NAVD 88.



**Figure 1**  
Armor Cap Repair Plan  
San Jacinto River Waste Pits Superfund Site

**Fig. 1 – Armor Cap Enhancement Work Plan - Armor cap D placement areas with improved slope construction**





**Constructing enhanced slope along the South Berm in the Eastern Cell using an excavator (for grading the rock) and skid steer (for transporting rock from the stockpile and placing it)– 1-21-2014**





**South Berm in the Eastern Cell after completion of the enhancement work  
-1-21-2014**





**Central Berm on the eastern slope, near the north end of the berm, after completion of the enhancement work 1-22-2014**